

FIG. 1

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COMPANY CODE	COMMODITY CODE	COMMODITY NAME	PURCHASE /SALE	DESIRED PRICE	LOWER PRICE LIMIT	UPPER PRICE LIMIT	DESIRED AMOUNT	LOWER AMOUNT LIMIT	UPPER AMOUNT LIMIT	PUBLIC FLAG	DATE AND TIME	TRANSACTION CONDITION
A123	SN97	SASANISHIKI PRODUCED IN 1997	PURCHASE	#1000/Kg	900	1000	200Kg	100	2000	ON	1998.07.20. 12:00	001
A123	KH96	KOSHITIKARI PRODUCED IN 1996	PURCHASE	#980/Kg	800	980	500Kg	200	500	ON	1998.07.15. 09:00	002
A123	HB98	HITOMEBORE PRODUCED IN 1998	PURCHASE	#800/Kg	800	800	500Kg	200	500	ON	1998.07.23. 13:30	-

FIG. 2

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TRANSACTION CONDITION	AMOUNT		COMBINATION		DELIVERY		PAYMENT		TIME		OTHER COMPANIES	
	>=1600	PRICE>=800	KH96	PRICE>=795	>=3							
001												
002							CASH	PRICE>=780	+7	PRICE=PRICE-5		

FIG. 3

002250 6662550

COMPANY CODE	COMMODITY CODE	COMMODITY NAME	PURCHASE /SALE	DESIRED PRICE	LOWER PRICE LIMIT	UPPER PRICE LIMIT	DESIRED AMOUNT	LOWER AMOUNT LIMIT	UPPER AMOUNT LIMIT	PUBLIC FLAG	DATE AND TIME	TRANSACTION CONDITION
B789	SN97	SASANISHIKI PRODUCED IN 1997	PURCHASE	¥800/Kg	750	850	500Kg	500	1500	ON	1998.07.20. 12:00	001
B789	KH96	KOSHIIKARI PRODUCED IN 1996	PURCHASE	¥800/Kg	750	800	200Kg	200	250	OFF	1998.07.19. 09:00	002
B789	AK98	AKITAKOMACH I PRODUCED IN 1998	PURCHASE	¥900/Kg	800	1000	650Kg	100	2000	OFF	1998.07.30. 13:30	003

FIG. 4

TRANSACTION CONDITION	AMOUNT		COMBINATION		DELIVERY		PAYMENT	TIME	OTHER COMPANIES	
	>=1000	PRICE>=600			<=7	PRICE<=890				
001										
002										
003					<=3	PRICE<=1100		>=19980901	PUBLIC FLAG = 0N	

FIG. 5

003250 6652650

COMPANY CODE	COMPANY NAME	. . .	CREDIT INFORMATION	CURRENT STATE
A123	AA & CO.	. . .	UP TO ¥10 MILLION PER MONTH	¥1.5 MILLION
B789	BB CO.	. . .	UP TO 20 TRANSACTIONS PER DAY	6 TRANSACTIONS
C596	CC WHOLESALER	. . .	UP TO ¥5 MILLION PER DAY	¥4 MILLION

FIG. 6



8  
F - G.

8  
F - G.



COMMODITY: RICE -LIST OF CURRENTLY REGISTERED SALE COMMODITIES-

COMPANY CODE	COMMODITY CODE	COMMODITY NAME	DESIRED PRICE	DESIRED AMOUNT	CONDITION
A123	SN97	SASANISHIKI PRODUCED IN 1997	¥1000 (900 - 1000)	200Kg (100 - 200)	*
A123	KH96	KOSHIHIKARI PRODUCED IN 1996	¥980 (800 - 980)	500Kg (200 - 500)	*
A123	HB98	HITOMEBORE PRODUCED IN 1998	¥800	500Kg (200 - 500)	
A123	HB97	HITOMEBORE PRODUCED IN 1997	¥750 (700 - 800)	300Kg (100 - 300)	

TRANSACTION CONDITION INFORMATION  
 TARGET: SN97 SASANISHIKI PRODUCED IN 1997  
 NORMAL: ¥900 - 1000/100 - 2000Kg

	CONDITION	PRICE AFTER CHANGE
AMOUNT	EQUAL TO OR MORE THAN 1600Kg	800 - 1000
COMBINATION	KH96	795 - 1000
DELIVERY	3 OR MORE DAYS	
PAYMENT		

FIG. 9

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graph TD
    ST1[ST1: SEARCHING REGISTERED COMMODITIES] --> ST2{ST2: EXAMINING MATCHING COMMODITY}
    ST2 -- NG --> END1([END])
    ST2 -- OK --> ST3{ST3: COMPARING PRICE AND AMOUNT}
    ST3 -- NG --> ST4[ST4: CHANGING CONDITION]
    ST3 -- OK --> ST5[ST5: ISSUING ORDER PLACING INFORMATION]
    ST4 --> ST5
    ST5 --> ST6{ST6: EXAMINING CREDIT INFORMATION OF BOTH COMPANIES}
    ST6 -- NG --> ST8[ST8: NOTIFYING THAT TRANSACTION CANNOT BE CONTINUED]
    ST6 -- OK --> ST7[ST7: PLACING ORDER]
    ST8 --> END1
    ST7 --> END1

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FIG. 10

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graph TD
    ST11[ST11: EXTRACTING TRANSACTION INFORMATION OF OWN COMPANY COMMODITIES] --> ST12{ST12: JUDGING TIME}
    ST12 -- NG --> ST11
    ST12 -- OK --> ST13[ST13: UPDATING COMMODITY INFORMATION]
    ST13 --> ST14[ST14: TRANSMITTING COMMODITY INFORMATION]
    ST14 --> END([END])
  
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FIG. 11

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graph TD; ST21[EXTRACTING TRANSACTION INFORMATION OF OWN COMPANY COMMODITIES] --> ST22{JUDGING STATE}; ST22 -- NG --> ST21; ST22 -- OK --> ST23[UPDATING COMMODITY INFORMATION]; ST23 --> ST24[TRANSMITTING COMMODITY INFORMATION]; ST24 --> END([END]);
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The flowchart illustrates the commodity information processing method. It begins with step ST21, a rectangular box labeled "EXTRACTING TRANSACTION INFORMATION OF OWN COMPANY COMMODITIES". An arrow points down from ST21 to step ST22, a diamond-shaped decision box labeled "JUDGING STATE". From ST22, there are two possible paths: one labeled "NG" (No Good) that loops back to the input of ST21, and another labeled "OK" that proceeds to step ST23, a rectangular box labeled "UPDATING COMMODITY INFORMATION". From ST23, an arrow points down to step ST24, a rectangular box labeled "TRANSMITTING COMMODITY INFORMATION". Finally, an arrow points down from ST24 to an oval-shaped terminal box labeled "END".

FIG. 12

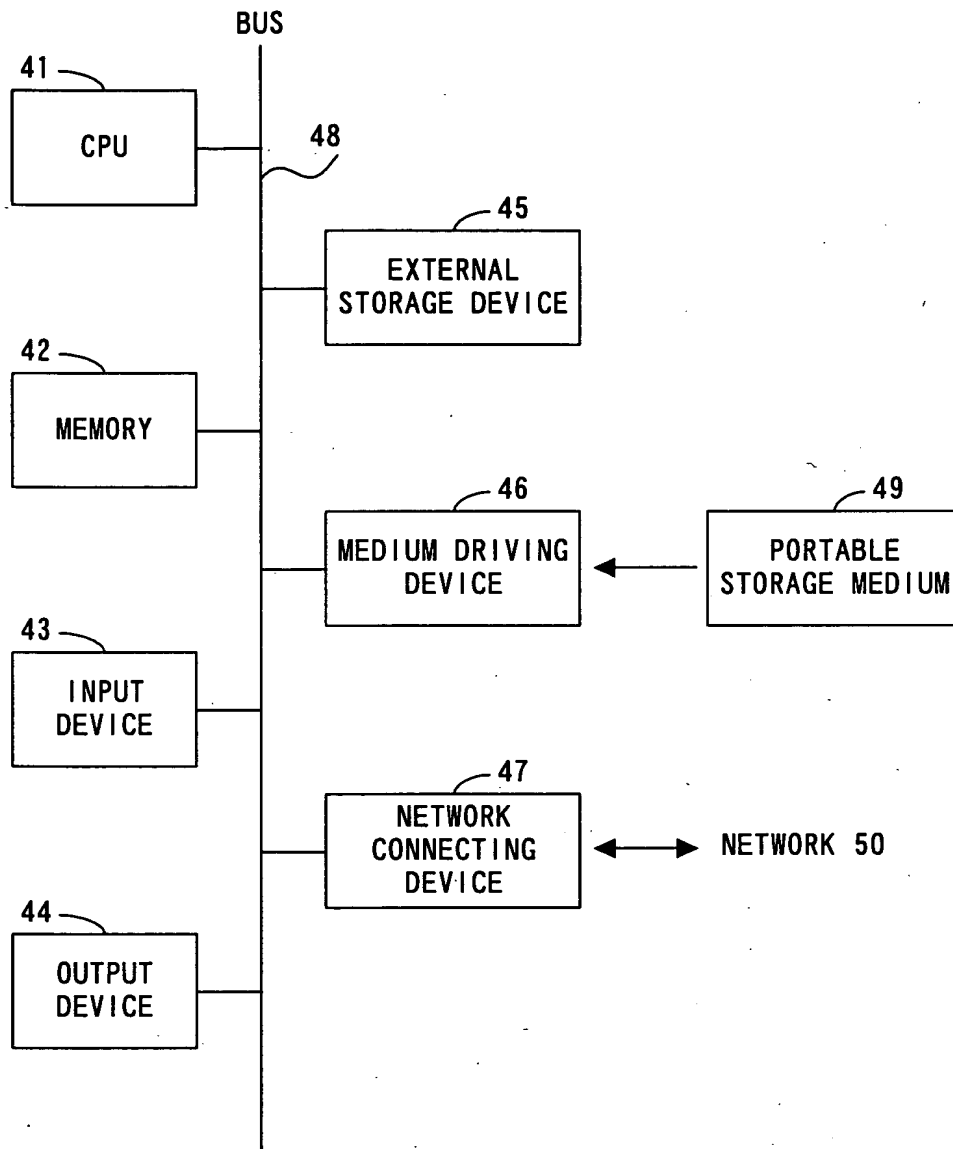


FIG. 13

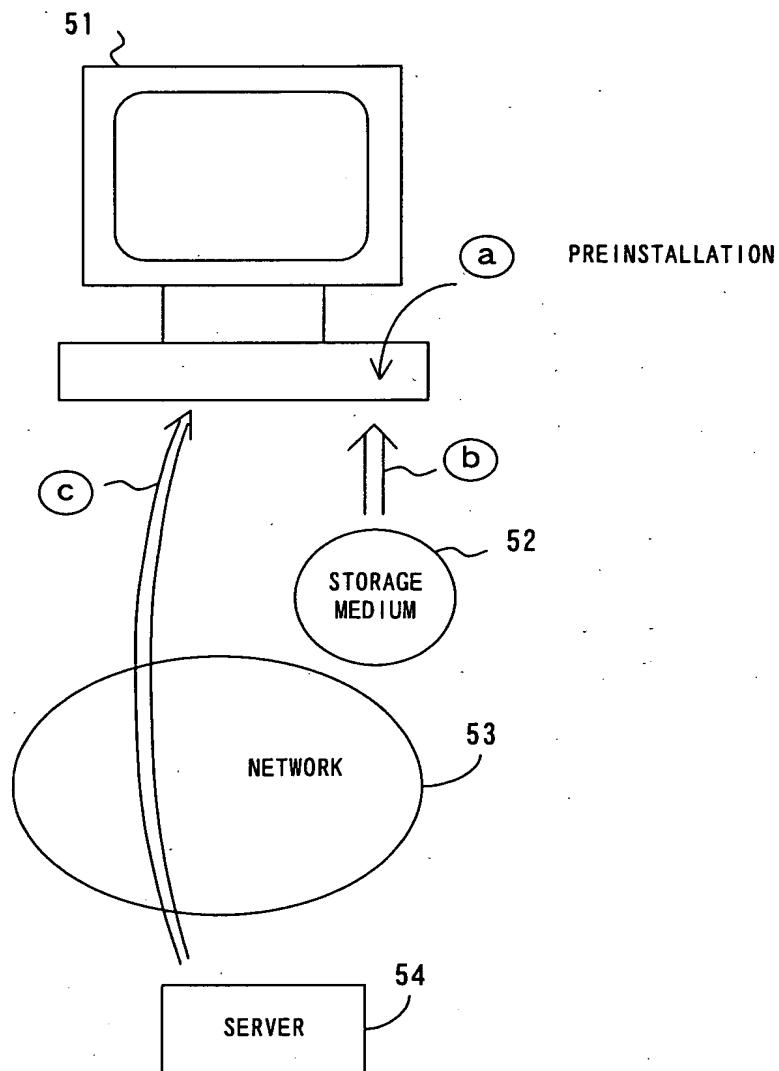


FIG. 14